1. IDENTIFICATION OF SUBSTANCES / PREPARATION AND COMPANY

Product Name: Zinc Phosphate Cement Powder
Product Code: 151
Application: General purpose oxyphosphate cement and liner
Company: Davis Schottlander & Davis Ltd
Fifth Avenue, Letchworth Garden City, Herts SG6 2WD UK
Tel: +44 (0)1462 480848 Fax: +44 (0)1462 482802
msds@schottlander.co.uk www.schottlander.com
Date: 08.06.2015 V2.0

2. HAZARD IDENTIFICATION

Classification of the substance or mixture
Main hazards:
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Classification EC 1272/2008:
Aquatic Acute 1: H400; Aquatic Chronic 1: H410

Label elements

Hazard pictogram:
Signal Word: Warning
Hazard Statement: Aquatic Chronic 1: H410 – Very toxic to aquatic life with long lasting effects.
Precautionary Statement: P273 – Avoid release to the environment.
Precautionary Statement: P391 – Collect spillage.
Precautionary Statement: P501 – Dispose of contents/container to
Disposal
Other hazards: No data

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Index No.</th>
<th>CAS No.</th>
<th>EC No.</th>
<th>Conc (%w/w)</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>030-013-00-7</td>
<td>1314-13-2</td>
<td>215-222-5</td>
<td>80-90%</td>
<td>Aquatic Acute 1: H400</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Aquatic Chronic 1: H410</td>
</tr>
<tr>
<td>Heavy Magnesium Oxide</td>
<td>1309-48-4</td>
<td>215-171-9</td>
<td>1-10%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Magnesium oxide (as Mg))</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Description of first aid measures
Inhalation: Move the exposed person to fresh air.
Eye contact: Rinse immediately with plenty of water for 15 minutes, holding the eyelids open. Seek medical attention if irritation or symptoms persist.
5. **FIRE FIGHTING MEASURES**

Use extinguishing media appropriate to the surrounding fire conditions. Burning produces irritating, toxic and obnoxious fumes. Wear suitable respiratory equipment when necessary.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures.**
Ensure adequate ventilation of the working area.

**Environmental precautions.**
Do not allow product to enter drains. Prevent further spillage if safe.

**Methods and materials for containment and cleaning up.**
Sweep up. Transfer to suitable, labelled containers for disposal. Clean spillage area thoroughly with plenty of water.

7. **HANDLING AND STORAGE**

**Precautions for safe handling.**
Avoid contact with eyes and skin. Ensure adequate ventilation of the working area. Adopt best Manual Handling considerations when handling, carrying and dispensing.

**Conditions for safe storage including any incompatibilities.**
Keep in a cool, dry, well ventilated area. Keep containers tightly closed. Store in correctly labelled containers.

8. **EXPOSURE CONTROLS / PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>Exposure Limit Values</th>
<th>WEL 8-hr limit ppm:</th>
<th>WEL 8-hr limit mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heavy Magnesium Oxide: (magnesium oxide (as Mg))</td>
<td>WEL 15 min limit ppm:</td>
<td>WEL 15 min limit mg/m³ total</td>
</tr>
<tr>
<td></td>
<td>WEL 8-hr limit mg/m³ total 10 Inhalable dust</td>
<td>WEL 15 min limit mg/m³ total Inhalable dust</td>
</tr>
<tr>
<td></td>
<td>WEL 8-hr limit mg/m³ total Respirable dust</td>
<td>WEL 15 min limit mg/m³ total Respirable dust</td>
</tr>
</tbody>
</table>

9. **PHYSICAL AND CHEMICAL PROPERTIES**

| State: | Powder |
| Colour: | White/Yellow |
| Odour: | Odourless |

10. **STABILITY AND REACTIVITY**

| Reactivity: | No data is available on this product. |
| Chemical stability: | Stable under normal conditions. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Direct sunlight, heat, moisture. |
Incompatible materials: Strong acids. Strong bases.
Hazardous decomposition products: No data available.

11. **TOXICOLOGY INFORMATION**

No data available.

12. **ECOLOGICAL INFORMATION**

Toxic to aquatic organisms.

13. **DISPOSAL CONSIDERATIONS**

**General information:** Dispose of in compliance with all local and national regulations.
**Disposal methods:** For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.
**Disposal of packaging:** Do not reuse empty containers. Empty containers can be sent for disposal or recycling.

14. **TRANSPORT INFORMATION**

The product is not classified as dangerous for carriage. Toxic to aquatic organisms.

15. **REGULATORY INFORMATION**

Chemical safety assessment - No data available.

16. **FURTHER INFORMATION**

The data given above covers exclusively the safety requirements of the product(s) and is based on our current knowledge and experience. It does not signify any warranty with regards to the products properties. This product is only supplied for specific uses in dentistry and must be used in accordance with the directions for use.